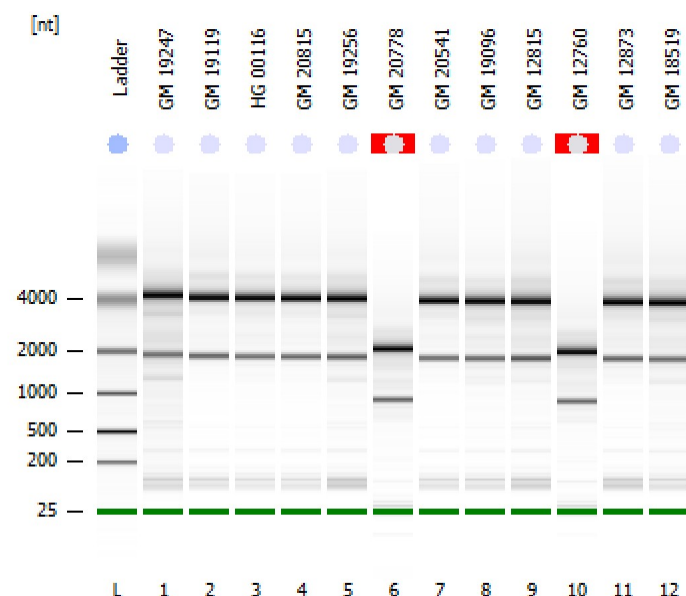


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_10-36-12.xad

Created: 10/24/2011 10:36:12 AM
Modified: 10/24/2011 10:59:22 AM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

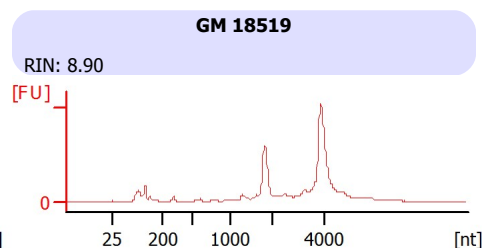
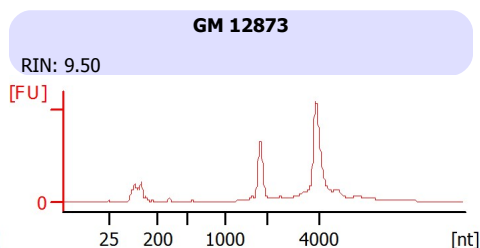
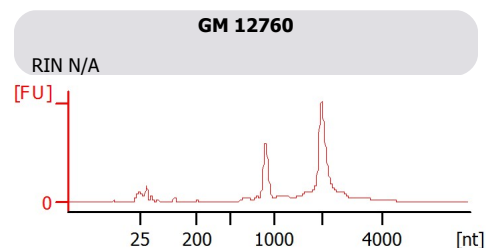
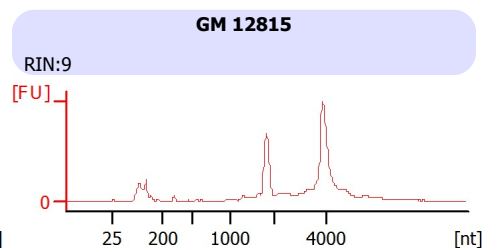
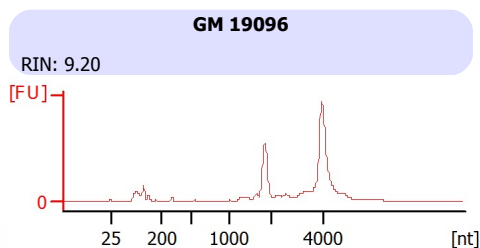
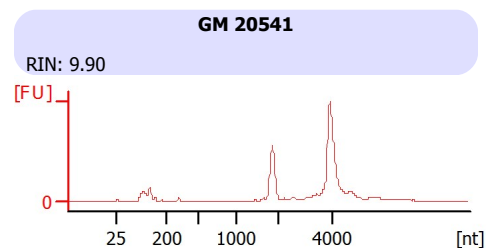
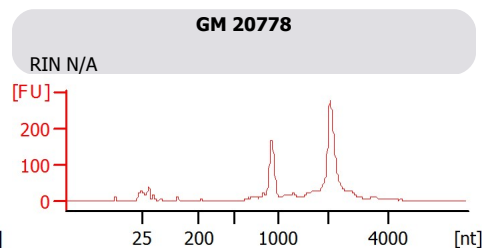
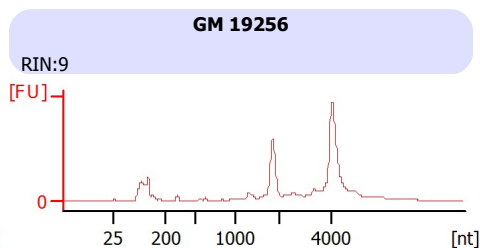
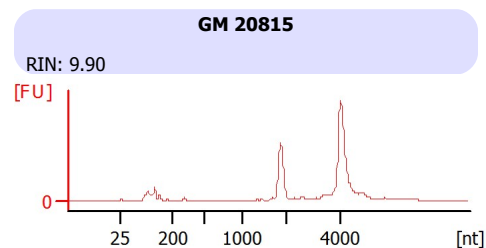
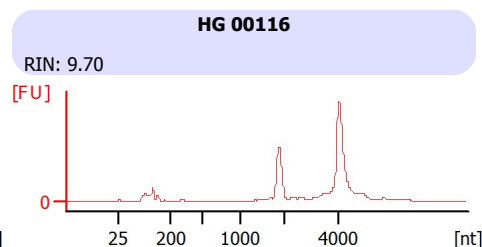
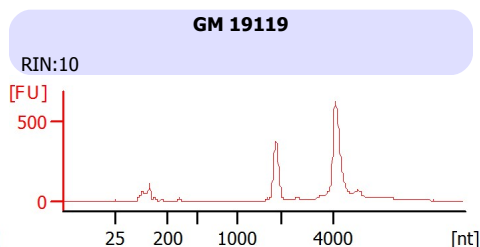
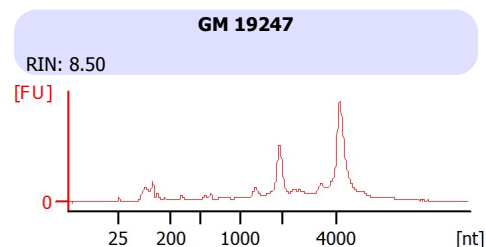
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_10-36-12.xad

Created: 10/24/2011 10:36:12 AM
Modified: 10/24/2011 10:59:22 AM

Electrophoresis File Run Summary (Chip Summary)

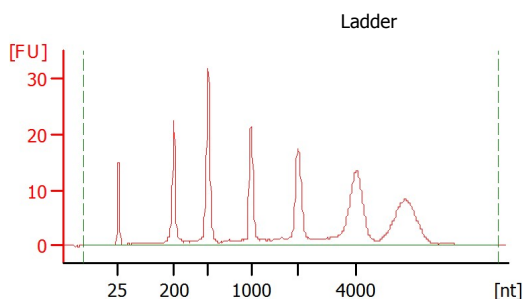
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
GM 19247		✓ RIN: 8.50	
GM 19119		✓ RIN:10	
HG 00116		✓ RIN: 9.70	
GM 20815		✓ RIN: 9.90	
GM 19256		✓ RIN:9	
GM 20778		✓ RIN N/A	
GM 20541		✓ RIN: 9.90	
GM 19096		✓ RIN: 9.20	
GM 12815		✓ RIN:9	
GM 12760		✓ RIN N/A	
GM 12873		✓ RIN: 9.50	
GM 18519		✓ RIN: 8.90	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_10-36-12.xad

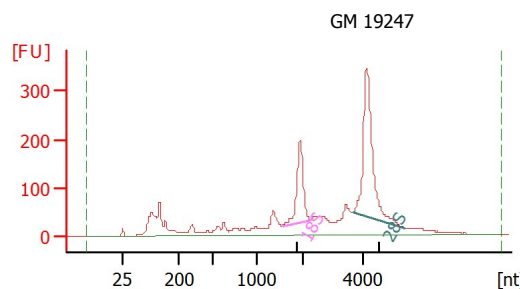
Created: 10/24/2011 10:36:12 AM
Modified: 10/24/2011 10:59:22 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 292.9
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

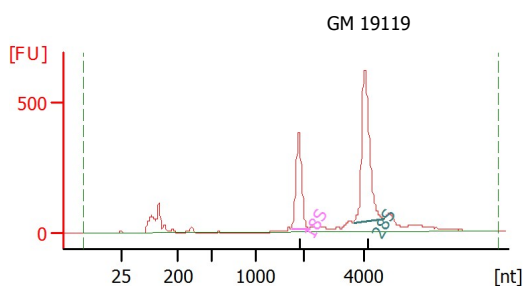


Overall Results for sample 1 : GM 19247

RNA Area: 3,059.9
RNA Concentration: 1,567 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 8.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.50

Fragment table for sample 1 : GM 19247

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,562	2,247	335.3	11.0
28S	3,691	5,421	732.3	23.9

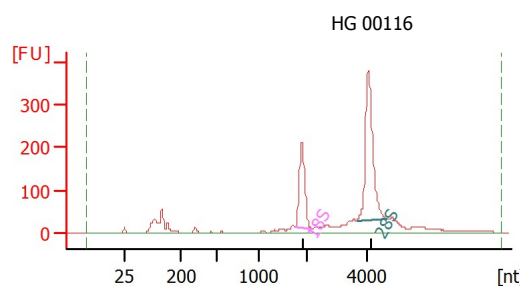


Overall Results for sample 2 : GM 19119

RNA Area: 3,335.0
RNA Concentration: 1,708 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 2 : GM 19119

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,744	2,179	634.4	19.0
28S	3,668	4,674	1,154.4	34.6



Overall Results for sample 3 : HG 00116

RNA Area: 2,007.7
RNA Concentration: 1,028 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.70

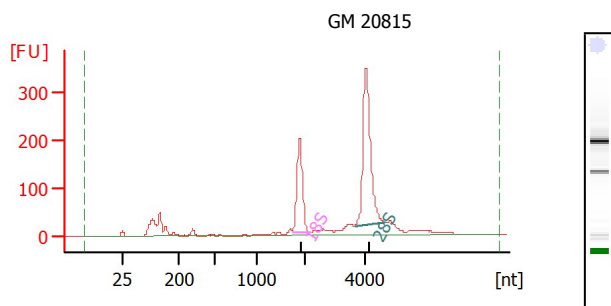
Fragment table for sample 3 : HG 00116

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,166	342.7	17.1
28S	3,637	4,698	672.5	33.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_10-36-12.xad

Created: 10/24/2011 10:36:12 AM
 Modified: 10/24/2011 10:59:22 AM

Electropherogram Summary Continued ...

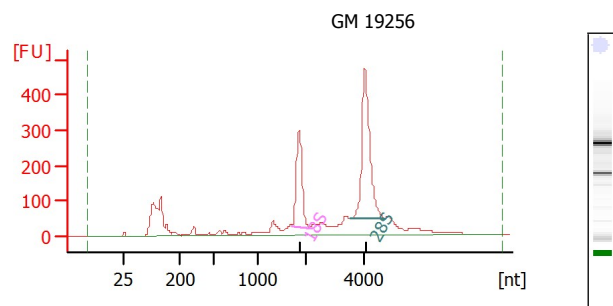


Overall Results for sample 4 : GM 20815

RNA Area: 1,795.3
 RNA Concentration: 920 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 4 : GM 20815

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,152	337.4	18.8
28S	3,637	4,684	642.6	35.8

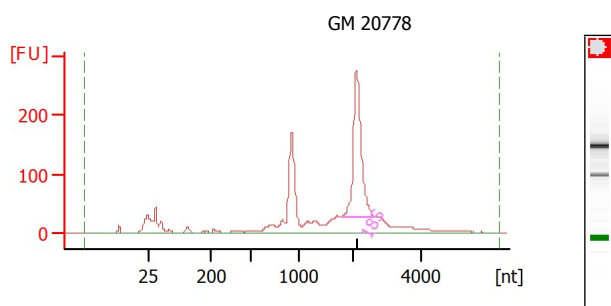


Overall Results for sample 5 : GM 19256

RNA Area: 3,441.7
 RNA Concentration: 1,763 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 5 : GM 19256

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,133	479.5	13.9
28S	3,517	4,701	887.4	25.8

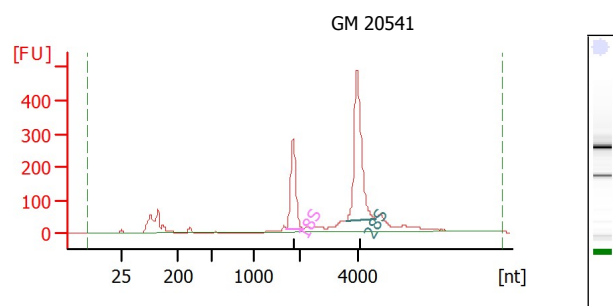


Overall Results for sample 6 : GM 20778

RNA Area: 1,676.3
 RNA Concentration: 859 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 6 : GM 20778

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,778	2,645	520.2	31.0



Overall Results for sample 7 : GM 20541

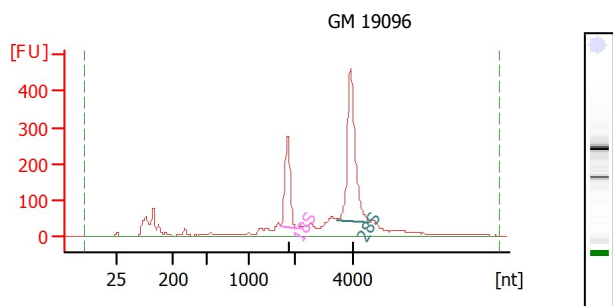
RNA Area: 2,600.6
 RNA Concentration: 1,332 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 7 : GM 20541

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,084	460.9	17.7
28S	3,557	4,583	879.1	33.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_10-36-12.xad

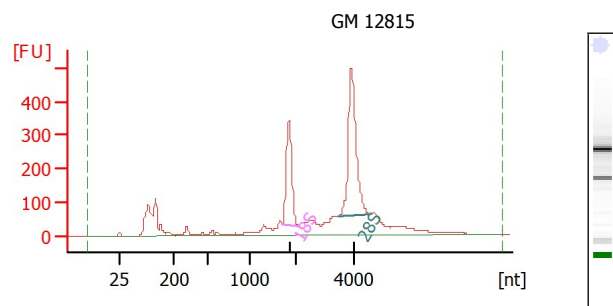
Created: 10/24/2011 10:36:12 AM
Modified: 10/24/2011 10:59:22 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : GM 19096**

RNA Area: 2,908.1
RNA Concentration: 1,489 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 8 : GM 19096

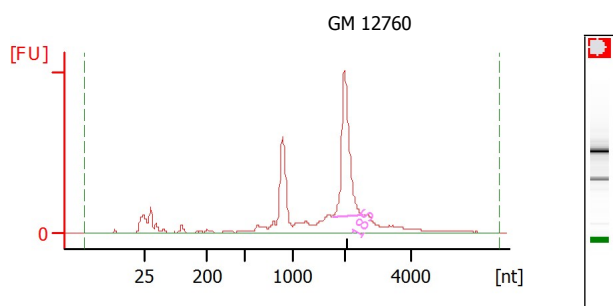
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,065	423.8	14.6
28S	3,447	4,581	859.2	29.5

**Overall Results for sample 9 : GM 12815**

RNA Area: 3,785.5
RNA Concentration: 1,939 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9

Fragment table for sample 9 : GM 12815

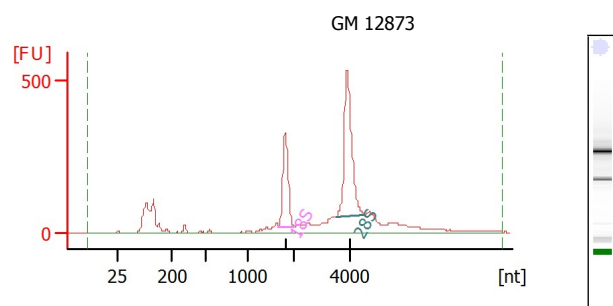
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	2,078	540.6	14.3
28S	3,465	4,560	924.7	24.4

**Overall Results for sample 10 : GM 12760**

RNA Area: 3,097.0
RNA Concentration: 1,586 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 10 : GM 12760

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	2,543	948.2	30.6

**Overall Results for sample 11 : GM 12873**

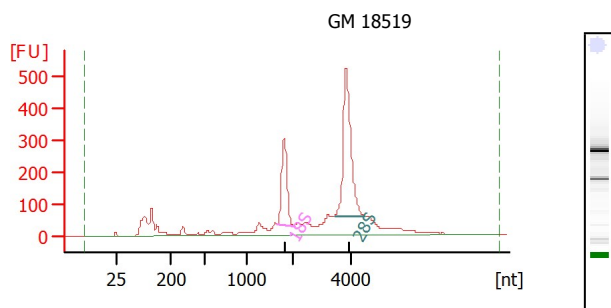
RNA Area: 3,631.2
RNA Concentration: 1,860 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 11 : GM 12873

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	2,043	528.9	14.6
28S	3,472	4,503	994.0	27.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_10-36-12.xad

Created: 10/24/2011 10:36:12 AM
Modified: 10/24/2011 10:59:22 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 18519**

RNA Area: 3,739.9
RNA Concentration: 1,915 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 12 : GM 18519

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	2,047	461.5	12.3
28S	3,438	4,535	983.8	26.3